

VA Characteristics of the DC and AC Arc, by P. V.
Sergeyev.

RUSSIAN, per, Elektrichestvo, No 12, 1956,
pp 25-28.

CSIRO

Sci - Electricity

Jun 61.

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Testing of Current-Limiting HB Fuses
in an Oscillation Circuit, by V. V.
Kaplan, V. M. Kashatyr.

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No 5, 1956, pp 38-42.

ASLIB GB 10/IB 1541

Sci - Electron
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Fundamentals of an Interconnected Power Grid for
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Veits, 17 pp.

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Automation of Electric Drives for Bucket-Chain
Dredgers, by L. F. Shklyarskiy, 9 pp.

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Train When Starting or Stopping Traction Engines, by
P. B. Petrov,

RUSSIAN, per, Elektrichestvo, No 1, 1957, pp 30-34.

ATB RJ-1305

Sci - Elec
Jul 59

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Effect of Exciter Saturation on Transients in
Synchronous Machines, by L. Z. Shenkman, 9 pp.

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RUSSIAN, per, Elektrichestvo, No 1,
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NIL RTS-2975

Sci-Elec
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The Behaviour of Relay Protection on Unsynchronized
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RUSSIAN, per, Elektrichestvo, No 1, 1957, pp 42-51.

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Suppression of the Field of Synchronous Machines.
by O. G. Eroev, V. A. Orastsov.

RUSSIAN, for, Elektrichestvo, No, 1957, pp 34-39.

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Stability of an Amplidyne With Loose
Negative Feedback, by Yu. R. Reingol'd. UNCL.

RUSSIAN, per. Elektrichestvo, No 2, 1957,
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DSIR Lending Library Unit M.69

Sci - Electronics

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SLA-ED-1574

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Differential Protection Circuits With Magnetic
Restraint, by A. D. Drozdov, 9 pp.

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Investigation of Variable-Speed A. C. Machines, by I
I. I. Treshchev, 17 pp.

RUSSIAN, per, Elektrichestvo, No 2, 1957, pp 49-55.

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Measurement of Earth Resistances, by A. B. Osion,
9 pp.

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Effect of the Damper Winding on the E.M.F.
of a Synchronous Generator, by P. M. Ipatov.
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RUSSIAN, per, Elektrichestvo, No 3, 1957,
pp 24-27.

DSIR Lending Library Unit
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Sci - Electron
Apr 59

NLL M.2457
CSIRO 83,944

Stability of Measuring Instruments With Magnica
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RUSSIAN, per, Elektrichestvo, No 3, 1957,
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Rates of Rise of Restriking Voltage Across Circuit-Breakers Contacts in Large Power Systems, by M. M. Belousov, 10 pp.

RUSSIAN, per, Elektrichestvo, No 4, 1957, pp 21-24.

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Impulse-Testing of Interturn Insulation of High-Voltage Machines, by B. A. Alekseyev, V. B. Kalashovskiy. USSR

RUSSIAN, per, Elektrichestvo, No 4, 1957, pp 75-79.

DSIR Lending Library Unit
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by V. P. Larionov, 5 pp.

RUSSIAN, per, Elektrichestvo, No 4, 1957, pp 80-81.

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Die Walzenstrassenregelung bei Walzeneinze Lantriev, by
O. V. Slezhanovskiy. (unpubl tr)

RUSSIAN, to GERMAN, per, Elektrichestvo, No 5, 1957,
pp 12-20.

IDU 715
Institut fuer Dokumentation
Übersetzungsnachweis
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Unter den Linden 8

Apr 60

Steady-State Stability of a Transmission System With
Controlled Synchronous Condensers at the Sectionalizing
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RUSSIAN, par, Elektrichestvo, No 5, 1957, pp 25-30.

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Timofeev, B. B.
AN APPARATUS FOR MAGNETIC ANISOTROPY

ANALYSIS Jan 60

Order from MT 44

MT Trans-26

Trans. of *Elektrichestvo* (USSR) 1957, no. 5, p. 72-74.

DESCRIPTORS: *Crystals, Magnetic properties.

61-22760

- I. Title: Magnetic anisotropy
- I. Timofeev, B. B.
- II. MT Trans-26
- III: Tollemache, M. de O.
(Gt. Brit.)

156174

(Physics--Magnetism, TT, v. 6, no. 8)

Office of Technical Services

The Peculiarities of the Electro-Magnetic Phenomena
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Elektricheskoye Unit, by M. G. Ryzine. 7

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ASLIB-0043

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Large Synchronous Machines With Solid
Poles on Their Motors, by E. D. Mayman. 1956

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pp 32-35.

DSIR Lending Library Unit M.1

Sci - Electron
Apr 59

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Turbogenerator Rotor With Direct Cooling of
Winding Conductors, by V. V. Titov, Z. B. Kogan.
UNCL

RUSSIAN, per, Elektrichestvo, No 6, 1957,
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DSIR LIU (loan) M.452

Sci - Electron
Sep 59

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Law of Induction for a Capacitive, by
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RUSSIAN, per, Elektrichestvo, No 7, 1957,
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Sci - Phys; Electron

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Use of An Electronic Computer in the Study of
the Gyroplane, by I. R. Freydon, 23 pp.

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JPRS 9226

Sci - Electron

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On the Measurement of Corona Losses on Loaded
Power Transmission Lines, by V. D. Kravchenko,
V. I. Levitov, V. I. Popkov. UNCL

RUSSIAN, par, Elektrichestvo, No 7, 1957,
pp 32-34.

DSIR LDU (loan) M.426

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Sci - Electron
Aug 59

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Analysis of the Static Stability of Complex Power
Systems With the Aid of Electronic Computers, by
L. V. Tsukernik, N. A. Kachanova. UNCL

RUSSIAN, part, Elektrichestvo, No 7, 1957,
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DSIR IJU (loan) N.479

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Sci - Electron
Sep 59

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Constructing a Numerical Method for
Solving Electric Circuits, by V. L.
Kornilovskiy. UNCL

RUSSIAN, per, Elektrichestvo, No 8, 1957,
pp 17, 18.

DSIR Lending Library Unit M.35

Sci - Electron
Apr 59

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On Using Compensated Synchronous Condensers, by
V. A. Vanikov, D. A. Fedorov. UNCL

RUSSIAN, per, Elektrichestvo, No 9, 1957,
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Sol - Electron
Aug 59

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Transistorized Frequency Dividers, by M. L.
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SLA 59-10871

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Vol 2, No 2

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A New Thermo-Electric Phenomenon, by M. S. Morgulis.
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Calculation of the General Corona Initiation
Voltages on D.C. Transmission Lines, by N. N.
Tikhodzyev. UNCL

RUSSIAN, per, Elektrichestvo, No 10, 1957,
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DBIR LIU (loan) M.422

Sci - Electron
Aug 59

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TT-62-26409

Bocharov, V.I.
ETUDE DE LA SECURITE DES SYSTEMES D'ALI-
MENTATION ELECTRIQUE DANS LES MINES PRO-
FONDES (Analiz Naдеzhnosti Sistem Elektrosnabzhe-
niya Glubokikh Ugolnykh Shakht) (The Security of
Electrical Feeding Systems in Deep Mines). 16p.
(foreign text included) Refs. CNRS-XXV 311.
Order from OTS, ETC or CNRS \$0.80 TT-62-26409

Trans. in French of Elektrichestvo (USSR) 1957, no. 10,
p. 25-28.

DESCRIPTORS: Mining engineering, "Electrical equip-
ment.

I. Bocharov, V.I.
II. CNRS-XXV 311
III. Centre National de la Recher-
che Scientifique, Paris

(Engineering--Electrical, TT, v. 11, no. 6)

Office of Technical Services
European Translation Centre

Distance-Type Induction Dynamic Relays With
Mutual Natural Biasing, by A. P. Beresovskiy.
UNCL

RUSSIAN, per, Elektrichestvo, No 10, 1957,
pp 54-56.

DSIR LIU (10cm) M.414

SEP 57 1957

Sol - Electronics
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94, 870

Problems in the Calculation of Compressed Air
Insulation of H. Y. Switchgear, UNCL

RUSSIAN, per, Elektrichestvo, No 10, 1957,
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DSIR LIU (loan) M.427

Sci - Electron
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The Development of the Electrical Industry During
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(Report on USSR Production of Industrial Equipment, 43)

NO. 127,
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CIA/PDD Sum 1651

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Jan 58

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Problems in Designing Forced-Cooled Turbo-Generators, by N. P. Ivanov, 10 p.

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ELA 59-18724

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Tests of the Static Stability of a Single-
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S. A. Sovolov, USSR

RUSSIAN, per, Elektrichestvo, No 11, 1957,
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DSIR LIU RTS 1039

Sci - Electron

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A Synchronous Operation, Non-Synchronised
Switching and Resynchronization of the Kuibyshev
Hydroelectric Station, by L. G. Mandukovants, S. A.
Sovarov, A. A. Shchegurov. UNCL

RUSSIAN, par, Elektrichestvo, No 11, 1957,
pp 64-72.

DSIR LIT (loan) M. 428

Sci - Electron
Aug 59

94, 862

62-29280

Sabinin, Yu. A., Bochakov, Yu. I. and others.
MOTOR ELECTRIC CON SUAVE REGULACION DE
VELOCIDAD ENTRE LIMITES AMPLIOS (Elektropri-
vod s Plozhnym Regulirovaniem Skoroeti v Shirokikh
Predelakh) (Smooth Speed Regulation Control Electric
Motor). 17p. CID: 62-280.

Order from OTS, ETC or CID \$0.80

62-29280

Trans. in Spanish of Elektrichestvo (USSR) 1957, no. 12,
p. 20-23.

DESCRIPTORS: *Electric motors, Speed regulators.

(Engineering--Electrical, TT, v. 10, no. 8)

- I. Sabinin, Yu. A.
- II. Bochakov, Yu. I.
- III. CID-62-280
- IV. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Problems in the Field of Automatic Control of Power
System Operation and Future Prospects for the
Utilization of Computer Technology, by I. S. Bruk.

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NLL Ref: 9022.03 1963 (3378) (Loan)

Sci
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A Simple Approximate Method of Calculating
Processes Described by a Duhamel Integral, by
O. M. Bogatyrev, 12 pp.

RUSSIAN, per, Elektrichestvo, No 12, 1957,
pp 50-54.

NRC C-3097

Sci

OTS, Vol III, No 6

Sep 60

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Two-Commutator Rotary Amplifier, by I. N.
Chupiatov, V. F. Baiko, 9 pp.

RUSSIAN, per, Elektrichestvo, No 1, 1956, pp 1-5.

PP

Sci

Feb 61

The Theory of the Electrical Circuit for the Three-
Phase Ore-Reduction Furnace, by N. A. Markov, 8 pp.

RUSSIAN, per, Elektrichestvo, No 1, 1958, pp 10-13.

PP

Sci

Feb 61

The Universal Characteristics of the Dynamic Braking
of Asynchronous Motors, by V. I. Kliuchev, 9 pp.

RUSSIAN, per, Elektrichestvo, No 1, 1958, pp 14-18.

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Arcing Short-Circuits on 400 kV Transmission Lines
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N. F. Beliaikov, 12 pp.

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Earthwire Earthing Systems for Long Power-Transmission
Lines, by N. A. Melnikov, A. I. Gershengorn, A. N.
Sherentsis, 13 pp.

RUSSIAN, per, Elektrichestvo, No 1, 1958, pp 25-30.

PP

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Experimental Determination of Parameters of
Electrotransmission: Kuibyshev Hydro-Electric
Power Station--Moscow, by D. E. Artem'ev,
S. S. Shur, 18 pp.

RUSSIAN, per, Elektrichestvo, No 1, 1958, pp 31-38.

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A Balanced Current-Relay Protection System for
Three Parallel Lines, by V. A. Andreyev. UNCL

RUSSIAN, per, Elektrichestvo, No 1, 1958,
pp 39-44.

DSIR LRU (loan) M.415

Sci - Electronics
Aug 59

94, 869

Matyukhin, N. Ya., Bruk, I. S. and others.
MAQUINARIA CALCULADORA ELECTRONICA (UNI-
VERSAL M-3 DE PEQUEÑO TAMANO (Malogabarit-
naya Universal'naya Tsifrovaya Elektronnaya Vychis-
litel'naya Mashina M-3) (M-3 Universal Electronic
Small Size Computer). 23p. CID: 62-279.
Order from OTS, ETC or CID \$0.89 62-29279

Trans. in Spanish of Elektrichestvo (USSR) 1958, no. 1,
p. 49-54.

DESCRIPTORS: *Computers, Electronic equipment.

(Mathematics--Computing Devices, TT, v. 10, no. 8)

62-29279

- I. Title: M-3 computer
- I. Matyukhin, N. Ya.
- II. Bruk, I. S.
- III. CID-62-279
- IV. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Partial Capacities (Conductivities) of a System
of Electrodes and Separate Fluxes of the Resultant
Field, by E. A. Meerovich, V. K. Red'kin, 8 pp.

RUSSIAN, per, Elektrichestvo, No 1, 1958, pp 54-57.

PP

Sci

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The Heat Emission of Rectifier Stacks Made of
Large Selenium Cells, by F. F. Sokolov, 9 pp.

RUSSIAN, per, Elektrichestvo, No 1, 1958, pp 58-63.

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Feb 61

Dielectric Characteristics of Paper-Oil
Condenser Insulation at Gauge Oil Pressures,
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RUSSIAN, per, Elektrichestvo, No 1, 1958,
pp 64-67.

DSIR Lending Library Unit
M. 146

Ser - Electrodes
Apr 59

AE 762

85,113

The Use of 220 kV Lines With Split Conductors, by
A. N. Zeiliger, B. P. Novgorodtsev, 10 pp.

RUSSIAN, per, Elektrichestvo, No 2, 1958, pp 9-12.

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Feb 61

Calculations of Short-Circuits in Unbalanced Phase
Transmission Systems, by G. G. Kostanian, 11 pp.

RUSSIAN, per, Elektrichestvo, No 2, 1958, pp 13-16.

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A New Circuit for High-Speed Pulse Control in
Systems Containing Ionic Converters, by D. P.
Morozov, M. G. Chilikin, N. G. Lysenkov, 10 pp.

RUSSIAN, per, Elektrichestvo, No 2, 1958, pp 22-27.

PP

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The Controlled Phase-Type Compound Winding of
Synchronous Generators With Correlation as to
Voltage, by O. M. Kostjuk, V. E. Rybinskiy, 14 pp.

RUSSIAN, per, Elektrichestvo, No 2, 1958, pp 27-34.

PP

Sci

Feb 61

Transistor Amplifiers of the Alloy Type, by A. A.
Maslov, 10 pp.

RUSSIAN, per, Elektrichestvo, No 2, ~~in~~ 1958, pp 46-51.

PP

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A Study of the Synchronization Process in
Compound Excited Motors, by V. L. Inosov, V. E.
Krutikova, 8 pp.

RUSSIAN, per, Elektrichestvo, No 2, 1958, pp 56-59.

PP

Sci

Feb 61.

The Performance of Current-Measuring Transformers
Under Increased Power Output Conditions, by V. S.
Burtakov, M. I. Glazov, 5 pp.

RUSSIAN, per, Elektrichestvo, No 2, 1958, pp 59-61.

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Sci

Feb 61

A Study of the Effect of Nozzle Parameters on Arc
Extinguishing by a Compressed Air Jet, by R. A.
Mikeshin, 4 pp.

RUSSIAN, per, Elektrichestvo, No 2, 1958, pp 61-63.

pp

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Feb 61

A Method of Calculating the Performance of
Compound Synchronous Motors, by I. M. Postnikov,
17 pp.

RUSSIAN, per, Elektrichestvo, No 3, 1958, pp 1-9.

PP

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Feb 61

Comparison of Two-Stage and Three-Stage Rotary
Amplifiers With Axial Field, by B. I. Nornevskiy,
V. F. Batko, V. E. Malishevskiy, 10 pp.

RUSSIAN, per, Elektrichestvo, No 3, 1956, pp 9-14.

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Speed Control of a D. C. Motor Fed From a Magnetic Amplifier, by V. D. Afanas'yev, Ivobotenko, 11 pp.

RUSSIAN, per, Elektrichestvo, No 3, 1956, pp 14-19.

FP

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Model Installation for Remote Control of Electric
Parameters in Arc Furnaces, by Yu. E. Efroimovich,
11 pp.

RUSSIAN, per, Elektrichestvo, No 3, 1958, pp 22-27.

PP

Sci.

Feb 61

Turbo-Generators of 30 to 300 mW Capacity
Manufactured at the Kharkov Works, by L. Ya.
Stanislavskiy. UNCL

RUSSIAN, per, Elektrichestvo, No 3, 1958,
pp 27-32.

DSIR Lending Library Unit
M. 101

Sol - Electronics
Apr 30

PP

85, 112

An Examination of the Possibilities for Achieving
More Intense Cooling in Turbo-Generators, by
G. G. Pastovskiy, Yu. V. Petrovskiy. UNCL

RUSSIAN, per, Elektrichestvo, No 3, 1958,
pp 32-35.

DSIR Lending Library Unit
M. 102

Sci - Electronics
Apr 59

PP

85,114

Formulas for the Reactive VA of a Synchronous Machine
During Asynchronous Operation, by L. G. Smyslovskiy,
USSR

RUSSIAN, per, Elektrichestvo, No 3, 1958, pp 35-36.

DBTR JLU (loan) M.527

SLIP 100-738

Sci - Electron
EDR 59

100,738

61-10382

Tikhodeyev, N. N. and Tushnov, A. N.
FLASHOVER VOLTAGE OF AIR GAPS AT ALTERNATING VOLTAGE. [1961] [10]p. (4 figs. omitted)
13 refs.

Order from OTS or SLA \$11.10

61-10382

Trans. of *Elektrichestvo* (USSR) 1958, no. 3,
p. 37-39.

DESCRIPTORS: *Voltage, *Electric insulation.

1. Title: Airgap
2. Title: Flashover
- I. Tikhodeyev, N. N.
- II. Tushnov, A. N.

161587

Office of Technical Services

(Engineering--Electrical, TT, v. 6, no. 1)

breakdown in Vietnam, by V. K. Glaznev. USSR.

RUSSIAN, pop, Mlenrichestvo, No 3, 1958.
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DSIR IAU (loan) H.535

(sp. visible AEC)

Red - Electron
Nov 58

6154-1000

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Compensated Commutating Mechanical Rectifier
Rectifiers, by A. Ye. Kaplyanskiy,
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RUSSIAN, per, Elektrichestvo, No 3,
1958, pp 52-56. 9668318

FTD-TT-63-34

Sci-Eng'r
Apr 65

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On the Theoretical Correctness of the
Minimum Principle of the Arc Voltage,
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RUSSIAN

REPROD, per, Elektrichestvo, No 3,
1958, pp 56-60.

CSIRO

Sci - Electronics
Oct 61

171,308

On the Surface Resistance of Dielectrics, by A. P.
Guz' Ceppo, 9 pp.

RUSSIAN, per, Elektrichestvo, No 3, 1958, pp 60-65.

PPP

Sci

Feb 61

Greisukh, M. V.
NECESIDAD DE ESTABLECER PRECIOS ADECUADOS
PARA EL EQUIPO ELECTRICO Y LOS TRABAJOS
DE MONTAJE Y CONSTRUCCION (Pravil'no
Ustanavliyat' Tseny na Elektrooborudovanie i Monta-
zhno-stroitel'nye Raboty) (The Need of Establishing
Adequate Electrical Equipment Prices and Assembly
and Erection Costs of Same). 6p. 2 refs. CID: 62-281.
Order from OTS, ETC or CID \$0.80 62-29281

Trans. in Spanish of Elektrichestvo (USSR) 1958, no. 3,
p. 65-66.

DESCRIPTORS: Costs, Electrical Industry, *Electrical
equipment.

(Engineering--Electrical, TT, v. 10, no. 8)

62-29281

- I. Greisukh, M. V.
- II. CID-62-281
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

The Dependence of Frequency of the Rochelle
Salt Piezo-Electric Vibrators on Temperature, by
K. F. Guba, 4 pp.

RUSSIAN, per, Elektrichestvo, No 3, 1958, pp 71, 72.

PP

Sci

Feb 61

The Use of Electric Locomotives With Rectifiers,
(A Review), by A. M. Kakhelnik, 8 pp.

RUSSIAN, per, Elektrichestvo, No 3, 1958, pp 73-76.

PP

Sci

Feb 61

Service Tests--Tests of the Experimental Installation
of an Ionic Excited Hydrogenerator, by I. A. Glebov,
S. F. Zonov, 3 pp.

RUSSIAN, per, Elektrichestvo, No 3, 1958, pp 77-80.

PP

Sci

Feb 61

Ignition IVS-200/2, by T. A. Sustin, 5 pp.

RUSSIAN, per, Elektrichestvo, No 3, 1958, pp 80-82.

PP

Sci

Feb 61

Discussion: Modification of the Heaviside Formula,
by B. Koncrakdy, 8 pp.

RUSSIAN, per, Elektrichestvo, No 3, 1958, pp 86-89.

PP

Sci

Feb 61

The Effect of Zinc on the Refractory Linings of
Blast Furnaces, by V. I. Kholzakov, L. M.
Tsylor.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 3, 1958, pp 89-95.

BCRA 531

Sci - Min/Metals, Engr

May 62

On the Non-Stationary one Dimensional Flow of a
Viscous Fluid, by D. ~~DE~~ Dumitresku, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 3, 1958, pp 163-164.

SLA 60-23527

Sci

May 62

Vol 4, No 8

Synthetic High Molecular Compounds as Dielectrics,
by K. A. Andrianov, 24 p.

RUSSIAN, per, Elektrichestvo, 1958, No 4, pp 1-9.

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